








METHOD OF DETECTING, IDENTIFYING AND COUNTING ENTERITIS VIBRIO USING GENE (rpoD) SEQUENCES ENCODING RNA POLYMERASE [sigma]70 FACTOR

Patent number: WO03014393
Publication date: 2003-02-20
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Classification:
- international: C12Q1/68; C12N15/00
- european: C12N9/12B7B6; C12Q1/68M10B
Application number: WO2002JP07842 20020801
Priority number(s): JP20010235806 20010803

Also published as:

 EP1424401 (A1)
 US2004265822 (A)
 JP2003047474 (A)

Cited documents:

 JP4293486
 JP8256798
 XP002957354
 XP002957355

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Abstract of WO03014393

It is intended to construct a high-performance specific gene amplification primer for detecting, quantifying and identifying enteritis vibrio which has practically satisfactory amplification efficiency and amplification specificity and shows a low possibility of judgment error. The base sequences of RNA polymerase [sigma]70 factor rpoD genes of a standard strain of *Vibrio* and enteritis vibrio stock cultures (a toxin gene containing strain and a toxin gene-free strain) are determined and the systemic relationships among them are clarified. Thus, bases characteristic to enteritis vibrio are identified and a highly specific probes having these bases and a gene amplification primer having high specificity and high amplification efficiency can be designed.

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